	Туре	L#	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	49	("4545073" "4249138" "5481223" "5719971" "4282742" "5937335" "4247834" "4458164" "4459566" "4484221" "4994765" "5247215" "5278522" "5304955" "5311318" "5650738" "4330760" "4868891" "4783849" "4783849" "5706315" "44633511" "4603435" "4623890" "4633511" "5847612" "5434937" "5652534" "4348757" "4525668" "4846540" "5627529"	USPAT	2003/07/26 22:54
2	IS&R	L2		((455/260) or (455/76) or (455/77) or (455/84) or (455/85) or (455/86) or (455/87) or (455/115.1) or (455/180.3) or (455/190.1) or (455/192.1) or (455/207) or (455/208) or (455/209)).CCLS.	USPAT	2003/07/26 23:18
3	BRS	L3	:	(CMOS OFFSET PHASE LOCK LOOP OR CMOS OFFSET PLL LOOP) AND (CMOS SUBSTRATE)	USPAT	2003/07/26 23:21
4	BRS	L4	14	3 AND (CMOS ADJ PHASE ADJ LOCK ADJ LOOP)	USPAT	2003/07/26 23:21
5	BRS	L5	13	4 AND (VCO DOWN CONVERSION MIXER) AND (LOW CLOCK FREQUENCY)	USPAT	2003/07/26 23:23
6	BRS	L9	16279	3 AND (SUBSYSTEM MIXER)	USPAT	2003/07/26 23:24
7	BRS	L11	5	10 AND (BANDPASS FILTER) AND (LOOP SAME FILTER)	USPAT	2003/07/26 23:25

	Туре	ъ#	Hits	Search Text	DBs	Time Stamp
8	BRS	L14	213	9 AND PREAMPLIFIER AND MIXER	USPAT	2003/07/26 23:27
9	BRS	L15	1	14 AND (PHASE ADJ DETECTOR) AND (FREQUENCY ADJ CONVERSION)	USPAT	2003/07/26 23:27
10	BRS	L10	5	5 AND (PHASE ADJ DETECTOR)	USPAT	2003/07/26 23:48
11	BRS	L18	14	3 AND (CMOS ADJ PHASE ADJ LOCK ADJ LOOP)	USPAT	2003/07/26 23:49

Titles of Most Frequently Occurring Classifications of Patents Returned From A Search of 09698498 on November 13, 2002

3 331/1A (1 OR, 2 XR) Class 331: OSCILLATORS AUTOMATIC FREQUENCY STABILIZATION USING A PHASE 331/1R OR FREQUENCY SENSING MEANS 331/1A .AFC with logic elements 3 348/731 (3 OR, 0 XR) Class 348: TELEVISION 348/725 RECEIVER CIRCUITRY 348/731 .Tuning 3 455/76 (0 OR, 3 XR)Class 455: TELECOMMUNICATIONS 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G., TRANSCEIVER) 455/75 . With frequency stabilization (e.g., automatic frequency control) 455/76 ..Synthesizer 2 323/267 (0 OR, 2 XR)Class 323: ELECTRICITY: POWER SUPPLY OR REGULATION **SYSTEMS** 323/234 **OUTPUT LEVEL RESPONSIVE** 323/265 .Using a three or more terminal semiconductive device as the final control device 323/267 .. Including plural loads commonly controlled 2 323/283 (2 OR, 0 XR)Class 323: ELECTRICITY: POWER SUPPLY OR REGULATION SYSTEMS 323/234 **OUTPUT LEVEL RESPONSIVE** 323/265 .Using a three or more terminal semiconductive device as the final control device 323/282 ...Switched (e.g., switching regulators) 323/283 ...Digitally controlled 2 326/30 (0 OR, 2 XR)Class 326: ELECTRONIC DIGITAL LOGIC CIRCUITRY 326/21 SIGNAL SENSITIVITY OR TRANSMISSION INTEGRITY 326/30 .Bus or line termination (e.g., clamping, impedance matching, etc.)

2 326/86 (1 OR, 1 XR) Class 326: ELECTRONIC DIGITAL LOGIC CIRCUITRY 326/62 INTERFACE (E.G., CURRENT DRIVE, LEVEL SHIFT, ETC.) 326/82 .Current driving (e.g., fan in/out, off chip driving, etc.) .. Field-effect transistor 326/83 ...Bus driving 326/86 2 327/115 (0 OR, 2 XR)Class 327: MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING 327/113 .Frequency or repetition rate conversion or control 327/114 ..Of output rectangular waveform ...Frequency division 327/115 2 327/117 (0 OR, 2 XR)Class 327: MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING 327/113 .Frequency or repetition rate conversion or control 327/117 ..Frequency division 2 327/231 (0 OR, 2 XR)Class 327: MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING 327/231 .Phase shift by less than period of input 2 327/237 (2 OR, 0 XR) Class 327: MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING 327/231 .Phase shift by less than period of input .. Variable or adjustable 327/237 2 331/117FE (0 OR, 2 XR)Class 331: OSCILLATORS SOLID STATE ACTIVE ELEMENT OSCILLATOR 331/107R 331/108R .Transistors 331/117R ..L-C type ...Field-effect transistor active element 331/117FE

2 331/16 (0 OR, 2 XR)

Class 331: OSCILLATORS

331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE

OR FREQUENCY SENSING MEANS

331/16 .Tuning compensation

2 331/172 (1 OR, 1 XR)

Class 331: OSCILLATORS

331/172 WITH SYNCHRONIZING, TRIGGERING OR PULSING

CIRCUITS

2 331/1R (1 OR, 1 XR)

Class 331: OSCILLATORS

331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE

OR FREQUENCY SENSING MEANS

2 331/34 (0 OR, 2 XR)

Class 331: OSCILLATORS

331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE

OR FREQUENCY SENSING MEANS

331/34 .Particular frequency control means

2 331/57 (1 OR, 1 XR)

Class 331: OSCILLATORS

331/57 RING OSCILLATORS

2 377/48 (0 OR, 2 XR)

Class 377: ELECTRICAL PULSE COUNTERS, PULSE DIVIDERS, OR

SHIFT REGISTERS: CIRCUITS AND SYSTEMS

377/27 SYSTEMS

377/47 .Pulse multiplication or division

377/48 ...Multiplication or division by a fraction

2 455/182.3 (0 OR, 2 XR)

Class 455: TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY

CONVERTER

455/150.1 .Signal selection based on frequency (e.g.,

tuning)

455/179.1 ... Channel or station selection

455/182.3 ...Fine tuning

2 455/333 (0 OR, 2 XR)

Class 455: TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY

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455/313 .Frequency modifying or conversion ..Particular frequency conversion structure or 455/323 circuitry 455/333 ...Transistor or integrated circuit

(2 OR, 0 XR) 2 455/86

Class 455: TELECOMMUNICATIONS

TRANSMITTER AND RECEIVER AT SAME STATION (E.G., 455/73

TRANSCEIVER)

.With a common signal processing stage 455/84 ..Transmitter oscillator used as local 455/86 oscillator

2 714/716 (2 OR, 0 XR)

> Class 714: ERROR DETECTION/CORRECTION AND FAULT DETECTION/RECOVERY

714/699 PULSE OR DATA ERROR HANDLING

714/712 .Transmission facility testing ..Test pattern with comparison 714/715

714/716 ...Loop-back

Most Frequently Occurring Classifications of Patents Returned From A Search of 09698498 on November 13, 2002

Original Classifications

- 3 348/731
- 2 323/283
- 2 327/237
- 2 455/86
- 2 714/716

Cross-Reference Classifications

- 3 455/76
- 2 323/267
- 2 326/30
- 2 327/115
- 2 327/117
- 2 327/231
- 2 331/117FE
- 2 331/16
- 2 331/1A
- 2 331/34
- 2 377/48
- 2 455/182.3
- 2 455/333

Combined Classifications

- 3 331/1A
- 3 348/731
- 3 455/76
- 2 323/267
- 2 323/283
- 2 326/30
- 2 326/86
- 2 327/115
- 2 327/117
- 2 327/231
- 2 327/237
- 2 331/117FE
- 2 331/16
- 2 331/172
- 2 331/1R
- 2 331/34
- 2 331/57
- 2 377/48

- 2 455/182.3
- 2 455/333
- 2 455/86
- 2 714/716

PLUS Search Results for S/N 09698498, Searched November 13, 2002